

# Product datasheet

Specifications



trip unit MicroLogic 6.2 EM for ComPacT NSX 100/160/250 circuit breakers, electronic, rating 80 A, 3 poles 3d

C1036M080

## Main

Range	ComPacT new generation
Range of product	ComPacT NSX100...250 new generation
Product or component type	Control unit
Trip unit name	Micrologic 6.2 E-M
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NSX160 ComPacT new generation NSX250
Device application	Motor
Poles description	3P
Protected poles description	3t
Trip unit protection functions	LSIG
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection
Trip unit rating	80 A at 65 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Circuit breaker mounting mode	Fixed

## Complementary

Motor tripping class	10 30 5 20
Complementary motor protection	Protracted starting time Stalled rotor Current unbalance Underload
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	70...150 A
Long-time protection delay adjustment type tr	Adjustable

<b>[Tr] long-time protection delay adjustment range</b>	120 s at 1.5 x Ir for trip class 5 6.5 s at 6 x Ir for trip class 5 5 s at 7.2 x Ir for trip class 5 240 s at 1.5 x Ir for trip class 10 13.5 s at 6 x Ir for trip class 10 10 s at 7.2 x Ir for trip class 10 480 s at 1.5 x Ir for trip class 20 26 s at 6 x Ir for trip class 20 20 s at 7.2 x Ir for trip class 20 720 s at 1.5 x Ir for trip class 30
<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time protection pick-up adjustment type Isd</b>	Adjustable 9 settings
<b>[Isd] Short-time protection pick-up adjustment range</b>	5...13 x Ir
<b>Short-time protection delay adjustment type tsd</b>	Fixed
<b>[Tsd] Short-time protection delay adjustment range</b>	0.01 s
<b>Instantaneous protection pick-up adjustment type Ii</b>	Fixed
<b>[Ii] instantaneous protection pick-up adjustment range</b>	2250 A
<b>Ground-fault protection pick-up adjustment type Ig</b>	Adjustable
<b>[Ig] ground-fault protection pick-up adjustment range</b>	0.2...1 x In for In > 50 A 0.3...1 x In for In = 50 A 0.6...1 x In for In = 25 A Ig enable on/off
<b>Ground-fault protection time delay adjustment type tg</b>	Adjustable
<b>[Tg] ground-fault protection time delay adjustment range</b>	0...0.4 s
<b>Earth-leakage protection</b>	Without
<b>Zone selective interlocking ZSI</b>	With
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 95 % Ith (red) for temperature over set point
<b>Display type</b>	LCD display
<b>Type of measurement</b>	Energy meter
<b>Electrical data recording</b>	Maintenance indicators

## Environment

<b>Standards</b>	EN/IEC 60947-2 UL 508
<b>Product certifications</b>	Marine CCC EAC
<b>Pollution degree</b>	3 conforming to IEC 60947-1
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	540.0 g

Package 1 Height	9.8 cm
Package 1 width	11 cm
Package 1 Length	15 cm
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Weight	6.391 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Package 3 Height	150 cm

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information

## Contractual warranty

Warranty	18 months
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